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(54) Title: REGULATION OF HUMAN LYSOSOMAL ACID LIPASE

(57) Abstract: Reagents which regulate human lysosomal acid lipase and reagents which bind to human lysosomal acid lipase gene products can play a role in preventing, ameliorating, or correcting dysfunctions or diseases including, but not limited to, cancer, CNS disorders, obesity, COPD, diabetes, and cardiovascular disorders.

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## SEQUENCE LISTING

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&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 283

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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Cys Thr Ser Pro Met Ala Lys Leu Gly Arg Leu Pro Asp His Leu Ile  
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Leu Leu Leu Thr Thr Thr Cys Leu Ile Cys Gly Thr Leu Asn Ala Gly  
35 40 45

Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val Trp Met Asn  
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Thr Ser Glu Ile Ile Ile Tyr Asn Gly Tyr Pro Ser Glu Glu Tyr Glu  
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Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg Ile Pro Tyr  
85 90 95

Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val Val Tyr Met  
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Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu Asn Tyr Ala  
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Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr Asp Val Trp  
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Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His Lys Thr Leu  
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Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Ser Phe Asp Glu Met Ala  
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Lys Tyr Asp Leu Pro Gly Val Ile Asp Phe Ile Val Asn Lys Thr Gly  
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Gln Glu Lys Leu Tyr Phe Ile Gly His Ser Leu Gly Thr Thr Ile Gly  
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Phe Val Ala Phe Ser Thr Met Pro Glu Leu Ala Gln Arg Ile Lys Met  
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Asn Phe Ala Leu Gly Pro Thr Ile Ser Phe Lys Tyr Pro Thr Gly Ile  
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Phe Thr Arg Phe Phe Leu Leu Pro Asn Ser Ile Ile Lys Ala Val Phe  
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Gly Thr Lys Gly Phe Phe Leu Glu Asp Lys Lys Thr Lys Ile Ala Ser  
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Thr Lys Ile Cys Asn Asn Lys Ile Leu Trp Leu Ile Cys Ser Glu Phe  
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Met Ser Leu Trp Ala Gly Ser Asn Lys Lys Asn Met Asn Gln Ser Arg  
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Met Asp Val Tyr Met Ser His Ala Pro Thr Gly Ser Ser Val His Asn  
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Ile Leu His Ile Lys Gln Leu Tyr His Ser Asp Glu Phe Arg Ala Tyr  
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Asp Trp Gly Asn Asp Ala Asp Asn Met Lys His Tyr Asn Gln Ser His  
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Pro Pro Ile Tyr Asp Leu Thr Ala Met Lys Val Pro Thr Ala Ile Trp  
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Leu Pro Gln Ile Lys Ser Leu His Tyr Phe Lys Leu Leu Pro Asp Trp  
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Gly Phe Leu Asp Leu Glu Asn Glu Val Asn Pro Glu Val Trp Met Asn  
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Thr Ser Glu Ile Ile Ile Tyr Asn Gly Tyr Pro Ser Glu Glu Tyr Glu  
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Val Thr Thr Glu Asp Gly Tyr Ile Leu Leu Val Asn Arg Ile Pro Tyr  
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Gly Arg Thr His Ala Arg Ser Thr Gly Pro Arg Pro Val Val Tyr Met  
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Gln His Ala Leu Phe Ala Asp Asn Ala Tyr Trp Leu Glu Asn Tyr Ala  
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Asn Gly Ser Leu Gly Phe Leu Leu Ala Asp Ala Gly Tyr Asp Val Trp  
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Met Gly Asn Ser Arg Gly Asn Thr Trp Ser Arg Arg His Lys Thr Leu  
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Ser Glu Thr Asp Glu Lys Phe Trp Ala Phe Arg Tyr Thr Lys Gly Cys  
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Glu Glu Ser Arg Gly Leu Lys Asn Thr Gln Ala Tyr Asp Trp Gly Asn  
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Asp Ala Asp Asn Met Lys His Tyr Asn Gln Ser His Pro Pro Ile Tyr  
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